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DERWENT-ACC-NO: 1997-066805

DERWENT-WEEK: 199707

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TITLE: Automatic transmission gear control
arrangement for vehicle - has electro-hydraulic
actuators and heat resistive circuit board, which
includes temperature sensor and electrical components for
driving actuators, forming module integrated with
housing of transmission

PATENT-ASSIGNEE: SIEMENS AG[SIEI]

PRIORITY-DATA: 1995DE-2013950 (August 30, 1995)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	MAIN-IPC
DE 29513950 U1		January 9, 1997	
007	F16H 061/00		N/A

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-DESCRIPTOR	APPL-NO
DE 29513950U1		N/A	
1995DE-2013950		August 30, 1995	

INT-CL (IPC): B60K041/06, F16H061/00

ABSTRACTED-PUB-NO: DE 29513950U

BASIC-ABSTRACT:

The gear controller (1) is integrated with the housing of the gear transmission and is provided with electrohydraulic actuators (3) for actuating switching elements of the transmission, as well as with a circuit board (5) carrying

electronic and electrical components (6) for driving the actuators. A base-plate (2) is designed as a carrier plate for at least one part of the electrohydraulic actuators.

The circuit board is made of a heat resistive material and forms, together with the components arranged on it, an electronic module (4), fixed on the base plate. A temp. sensor (8) and pref. a pressure sensor are mounted on the electronic module. The circuit board may be formed of ceramic foil, and the pressure sensor may be used to measure the oil pressure within the transmission.

USE/ADVANTAGE - In EGS (BMW). Provides unified design of module which can be delivered to vehicle manufacturer for installation into vehicle in situ. Reduces assembly work load. Eliminates need for separate housing and extra wiring. Enables improved functionality and transmission switching.

CHOSEN-DRAWING: Dwg.2/2

TITLE-TERMS: AUTOMATIC TRANSMISSION GEAR CONTROL ARRANGE
VEHICLE ELECTRO
HYDRAULIC ACTUATE HEAT RESISTOR CIRCUIT BOARD
TEMPERATURE SENSE
ELECTRIC COMPONENT DRIVE ACTUATE FORMING MODULE
INTEGRATE HOUSING
TRANSMISSION

DERWENT-CLASS: Q13 Q64 V04 X22

EPI-CODES: V04-Q05; X22-G01;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1997-054918

